| FORM PTO-1449 | | | | ATTY. DOCKET NO. 33216M050 | | | SERIAL NO. 09/609,250 | | |
|---------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| NFORM | NATION DISCLOSURE S | TATEMENT | 3 2000 ° | | IAGA et | al. | | | |
| E | | | | FILING DATE | | GROUP ART UNIT | | | |
| (U. | se several sheets if nec | essar 🐙 | TEMPON D | June 30, 2000 | | 1732 | | | |
| | | | | cuments | | | | | |
| | DOCUMENT NUMBER | DATE | NAME | | CLASS | | FILING DATE, IF APPROPRIAT | | |
| АА | | | | | | | | | |
| AB | | | | | | | | | |
| AC | | | | | | | | | |
| AD | | | | | | | | | |
| ΑE | | | | | | | | | |
| AF | | | | | | | | | |
| AG | | , | | | | | | | |
| АН | (· | | , | | | | | | |
| ΑI | | | | | <u> </u> | | | | |
| , T | | Foreign | Patent [| Documents | <u> </u> | | TRANCI | ATION | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CLASS | SUB- CLASS | YES | NO | |
| AJ | 4-16315 | 1/21/92 | | Japan | | | Abstract | | |
| AK | 5-312971 | 11/26/93 | | Japan | | | Abstract | | |
| AL | | | | | | | | | |
| AM | | | | | | | | | |
| AN | | | | | | | | | |
| ΑO | `.1 | | | | | | | | |
| | | ON (Includin | g Autho | r, Title, Date, Pert | inent Pag | jes, Etc.) |) | | |
| AP | | | | | | | | | |
| AQ | | | | | | | | | |
| | | | | ATE CONSIDERED | | | | | |
| | AAA AB AC AD AE AH AI AI AK AL AM AN AO | DOCUMENT NUMBER AA AB AC AF AG AH AI DOCUMENT NUMBER AA AB AC AF AG AH AI AI AI AI AN | USE SEVERAL SHEETS IF NECESSARY U.S. P. DOCUMENT NUMBER AA AB AC AB AE AF AG AH AI | USe several sheets if necessary U.S. Patent Do U.S. Patent Do DOCUMENT NUMBER AA AB AC AD AE AF AG AH AI DOCUMENT NUMBER AI DOCUMENT NUMBER AF AG AH AI DOCUMENT NUMBER AT AI DOCUMENT NUMBER AJ 4-16315 AJ 4-16315 AJ 4-16315 AJ AN AN AN AN OTHER INFORMATION (Including Author) AP | JONE Several sheets if necessary June 30, 2000 U.S. Patent Documents DOCUMENT NUMBER AA AB AC AD AF AG AH AI DOCUMENT NUMBER AF AG AH AI DOCUMENT NUMBER AF AG AH AI | JEORMATION DISCLOSURE STATEMENT 33216M050 APPLICANT: Suguhiro KORENAGA et FILING DATE June 30, 2000 U.S. Patent Documents DOCUMENT NUMBER AA AB AC AD AF AG AH AI DOCUMENT NUMBER AF AG AH AI DOCUMENT NUMBER DATE NAME CLASS COUNTRY CLASS AJ 4-16315 1/21/92 Japan AK 5-312971 11/26/93 Japan AL AM AN AN AN AO OTHER INFORMATION (Including Author, Title, Date, Pertinent Page) | STATEMENT 33216M050 09/609 133216M050 09/609 133216M050 09/609 133216M050 09/609 133216M050 133216M0 | Sub- Sub- | |

| TSUGUINITO KORENAGA et al. FILING DATE June 30, 2000 STANDARD U.S. PATENT DOCUMENTS Examiner's Initials AA AB AC AD AE AF AG FOREIGN PATENT DOCUMENTS Examiner's Initials POCUMENT AG AG AF AG AG AD AB AG AG AD AB AF AG AG AD AB AG AF AG AG AG AD AB AG AG AG AD AB AG AG AG AG AD AG AG AG AG AG | APPLICANT: Tsuguhiro KORENAGA et al. FILING DATE June 30, 2000 GROUP ART UNIT 1732 U.S. PATENT DOCUMENTS TRANSPORT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE CLASS FAPPROPRI AA A A A A A A A A A A A A A A A A A | INFORMATION DISCLOSURE STATEMENT | | | | | ATTY. DOCKET 33216M050 | | SERIAL NO. 09/609,250 | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----|--------------|----------------------|-----------------------|---------------------------|------------|--------------------------|-------------|--|
| U.S. PATENT DOCUMENTS Examiner's Initials AA AB AB AC AB AF AG AG AF AC AB AF AG AG AF AC AG | CLASS FILING DATE NAME CLASS SUB- FILING DATE NAME CLASS FILING DATE NAME CLASS FILING DATE NAME CLASS FILING DATE CLASS CLASS FILING DATE CLASS CLASS FILING DATE CLASS CLASS FILING DATE CLASS CLA | | | O.V | | Ts | | | | | |
| U.S. PATENT DOCUMENTS Examiner's Initials | CLASS SUB- FILING DATE NAME CLASS SUB- FILING DATE NAME CLASS FILING DATE NAME CLASS FILING DATE NAME CLASS FILING DATE FAPPROPRI | | ١. | <i>શ</i> | | | | | | | |
| Tother Information (Including Author, Title, Date, Pertinent Pages, Etc.) OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AN AN AN AN AO AP AQ | NUMBER | | | MADE | U.S. PATENT | OCUMENTS | | | | | |
| AB | AB | | | | DATE | NAME | CLASS | | | | |
| AC | AC | | AA | | | | | | | | |
| AD | AD | | АВ | | | | | | | | |
| FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Examiner's Initials NUMBER | AE | | AC | | | | | | | | |
| FOREIGN PATENT DOCUMENTS Examiner's NUMBER NUMBER DATE COUNTRY CLASS SUB-CLASS YES NUMBER NUMBER DATE COUNTRY CLASS SUB-CLASS YES NUMBER DATE CLASS YES DATE CLASS YES DATE CLASS YES DATE CLASS OF TRANSLATION AND ADSTRACT DATE CLASS OF TRANSLATION AND | AG | | | | | | | | | | |
| FOREIGN PATENT DOCUMENTS Examiner's Initials's NUMBER NUM | AG | | | | | | | | | | |
| FOREIGN PATENT DOCUMENTS Examiner's Initials NUMBER NUMBER PATENT DOCUMENTY CLASS SUB-CLASS YES Abstract PAV AH 11-263627 9/28/1999 JAPAN Abstract Abstract PAV AI 8-320420 12/3/1996 JAPAN Abstract Abstract AK AK AN AN AO AQ AQ OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AM AN AO AQ AQ | FOREIGN PATENT DOCUMENTS Xaminer's DOCUMENT NUMBER NUMBER | | | | | | | | | | |
| Examiner's Initials NUMBER NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIVES NUMBER NUMBER P/28/1999 JAPAN Abstract Abstract Abstract Abstract Action | Raminer's Initials DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIC YES NUMBER 11-263627 9/28/1999 JAPAN Abstract WAV AI 8-320420 12/3/1996 JAPAN Abstract WAV AJ 10-96808 4/14/1998 JAPAN Abstract OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) WAV AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | | AG | | | | | | | | |
| Examiner's Initials NUMBER NUMBER DATE COUNTRY CLASS SUB-CLASS YES NUMBER NUMBER P/28/1999 JAPAN Abstract YES Abstract All 8-320420 12/3/1996 JAPAN Abstract Abstract All 10-96808 4/14/1998 JAPAN Abstract Abstract Ak Abstract Ak Abstract Ak Abstract Ak AN AO AQ AQ AQ AQ AQ AQ AQ AQ AAA AAA AAA | Raminer's Initials DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATIC YES NUMBER 11-263627 9/28/1999 JAPAN Abstract WAV AI 8-320420 12/3/1996 JAPAN Abstract WAV AJ 10-96808 4/14/1998 JAPAN Abstract OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) WAV AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | - | | | FOREIGN PATEN | T DOCUMENTS | | | | | |
| MPV | AH 11-263627 9/28/1999 JAPAN Abstract Abstract MAU AI 8-320420 12/3/1996 JAPAN Abstract Abstract MAU AJ 10-96808 4/14/1998 JAPAN Abstract AK Abstract AK Abstract AK Abstract AK Abstract AB AN AO AA AA AA AA AA AA | | | | DATE | COUNTRY | CLASS | | YES | ATIOI NO | |
| OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provided that the page) and the page of the page | AJ 10-96808 4/14/1998 JAPAN Abstract OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | | AH | 11-263627 | 9/28/1999 | JAPAN | • | | | | |
| OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provided in the page). AM AN AO AP AQ | OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | WDY | Al | 8-320420 | 12/3/1996 | | | -> | C | | |
| OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provided in the content of the content o | OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.) AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | MOU | AJ | 10-96808 | 4/14/1998 | JAPAN | - | | Abstract | | |
| AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provided in the client). AM AN AO AP AQ | AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | | AK | | | | | | | | |
| AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provided in the client). AM AN AO AP AQ | AL "OPTRONICS", No. 8, 1998, pp. 85-90 (in Japanese) with partial English translation (provide client). AM AN AO AP AQ AR | | | | | Las Titla Data Davi | nent Deges | Eta \ | | | |
| AM | AM | MPV | | "OPTRONICS", | No. 8, 1998, pp. 85- | 90 (in Japanese) with | partial Engl | ish trans | ation (prov | ided | |
| AO AP AQ | AO AP AQ AR | | AM | | - | | | | | | |
| AP AQ | AP AQ AR | | AN | | | | | | ······ | | |
| AQ | AQ AR | | AO | | | | | | | | |
| | AR | | AP | | | | <u></u> | _, | | | |
| | AR | | | | | | | | | | |
| | | | | | | | | <u>.</u> . | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER: